



Rider Education & Training System

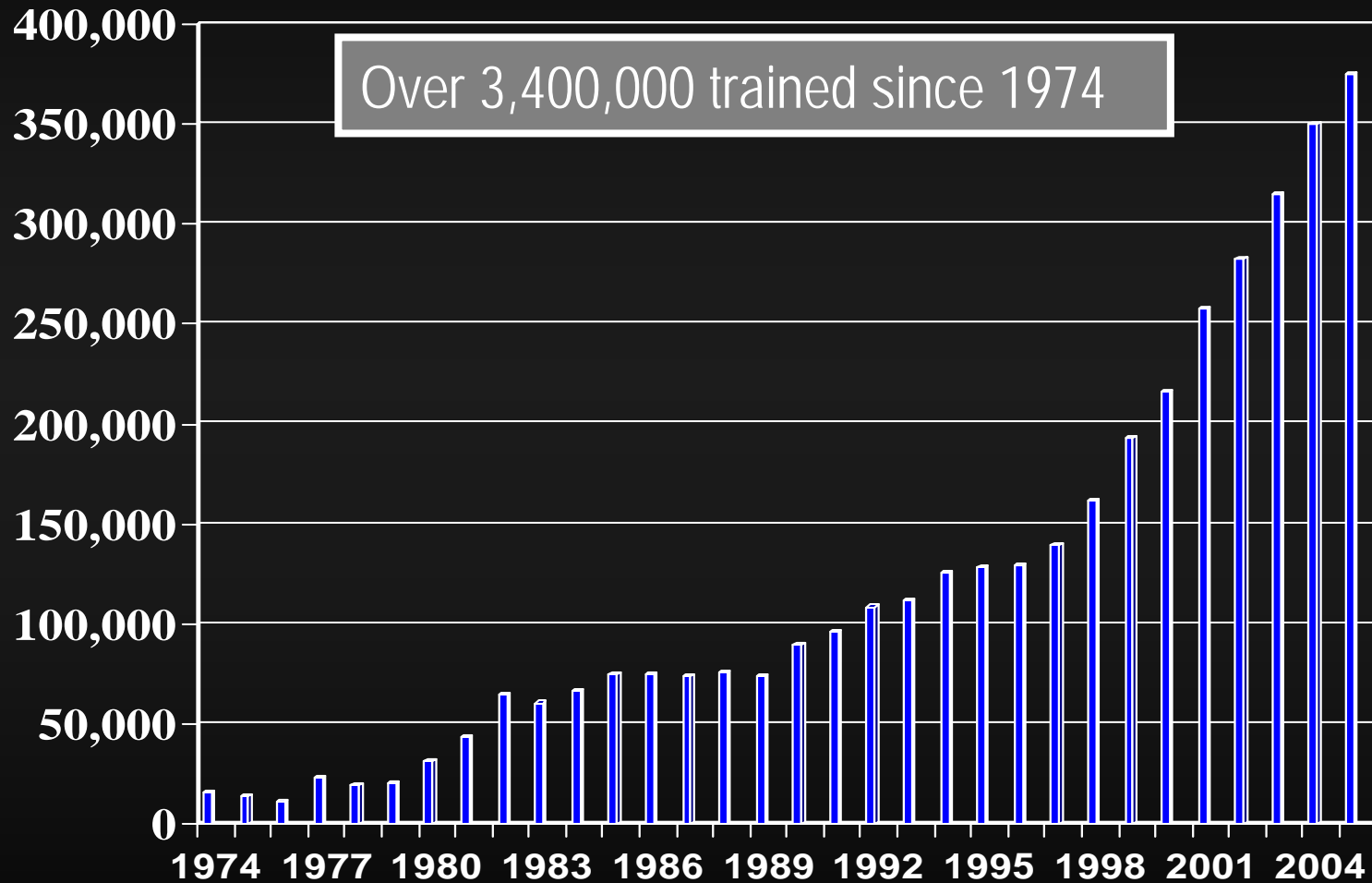
Ray Ochs, Ed.D.

Director of Training Systems



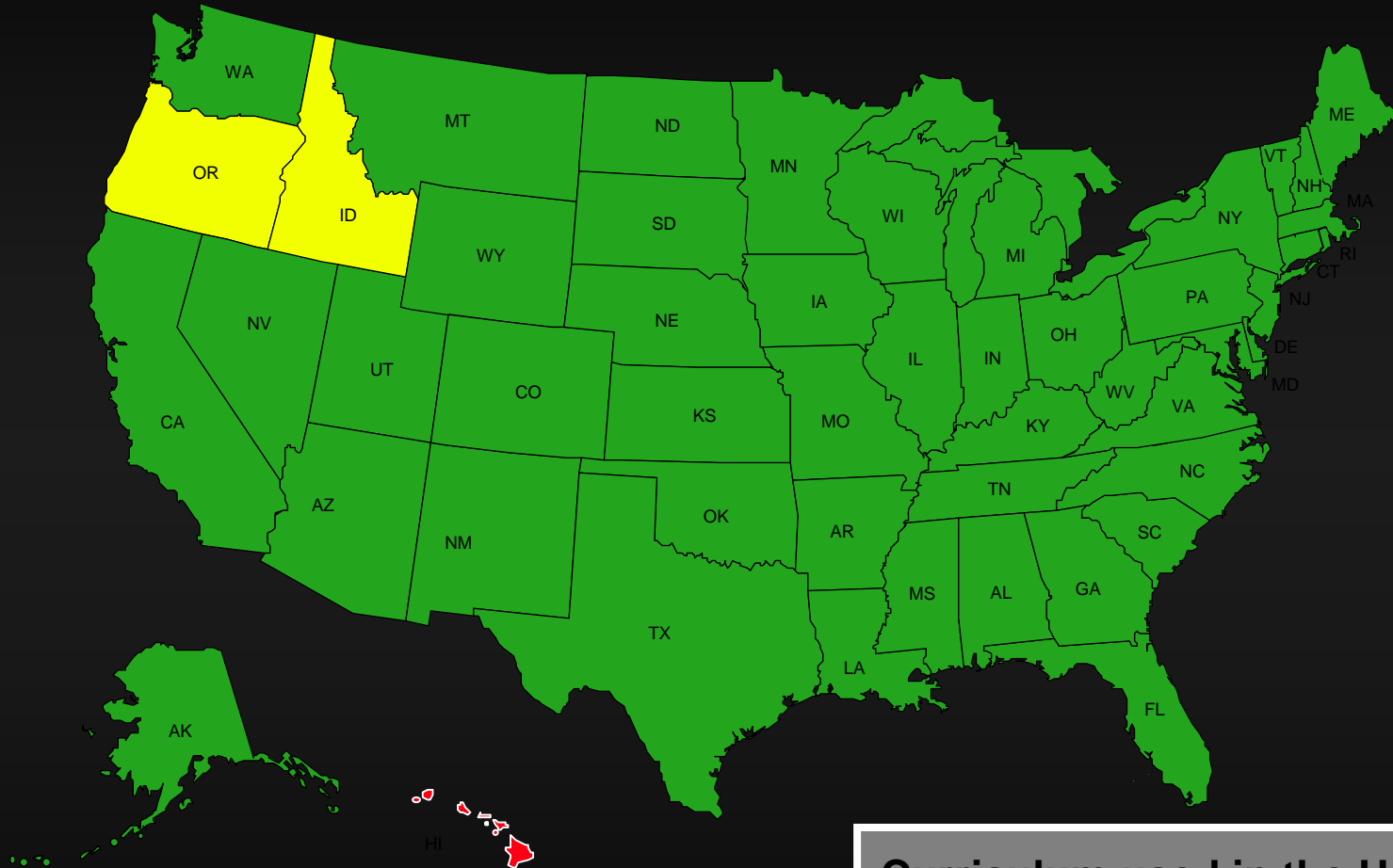
Motorcycle Safety Foundation

Total Riders Trained



MSF BRC/RETS ADOPTION

SEPTEMBER 2006



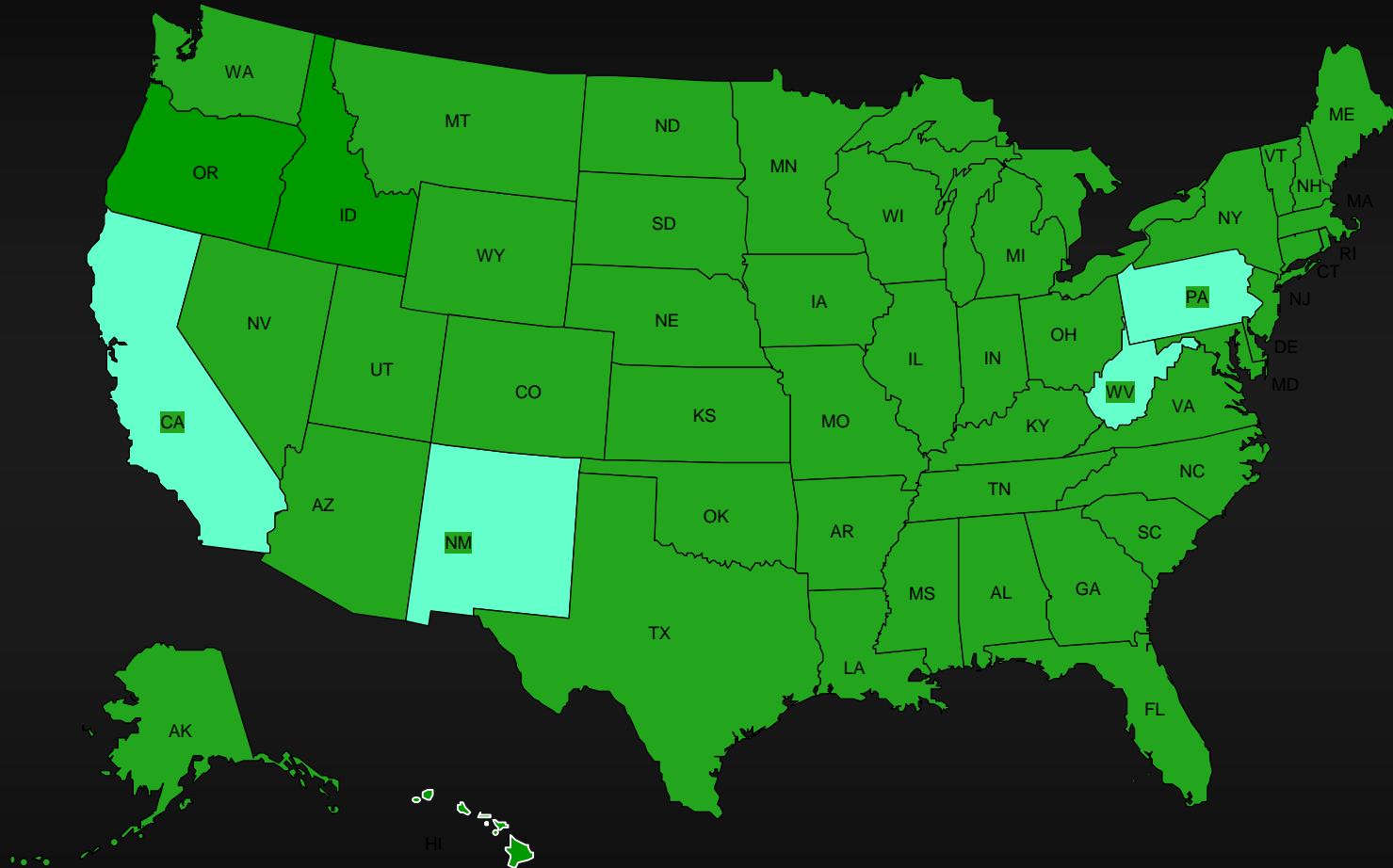
**All Military
Branches Worldwide**

Curriculum used in the U.S.

■	MSF BRC	(47)
■	MSF MRC:RSS	(1)
■	Non-MSF Curriculum	(2)



MSF Administered Programs



General Overview

- Number of RiderCoaches: 7691
- Number of RiderCoach Trainers: 227
- Number of Training Providers: 807
- Number of Training Sites: 1650



MSF Learn-to-Ride Curricula

Basic RiderCourse (2001)

- Principles of Safety, Learning and Motor Skills Development
 - Experience, Research and Literature Review
 - Input from Stakeholders

Motorcycle RiderCourse: Riding and Street Skills (1986)

- Motorcycle Accident Cause Factors and Identification of Countermeasures (Hurt Report)
- Motorcycle Rider Course Field Study

Motorcycle Rider Course (1976)

- Updated Instructional Objectives
- Photographic Analysis

Beginning Rider Course (1974)

- Motorcycle Task Analysis

Motorcycle Safety Foundation



MSF Curriculum Development Team

1996

To answer...

- 1. What is the best development process?**
- 2. What should a new curriculum look like?**

Considerations:

- 1. Instructionally effective and administratively efficient**
- 2. Participant and instructor friendly**
- 3. Universally accepted**
- 4. Utilize contemporary research and practice with appropriate expertise**



Rider Education and Training System Oversight and Development Team (RETSDOT)

- **Initially 11 invested and divested members, with more than 50 total participants**
- **Competencies, experiences and expertise in:**
 - **Policy**
 - **Program Administration**
 - **Instructional Systems Design**
 - **Evaluation and Performance Measurement**
 - **Traffic Safety Education**
 - **Motorcycle Safety and Rider Education**
 - **MSF Curricula and Certification Operations**
 - **Research and Evaluation**
 - **Communication and Facilitation**



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THEN → NOW

2-Course Approach

- Basic Course
- Advanced Course

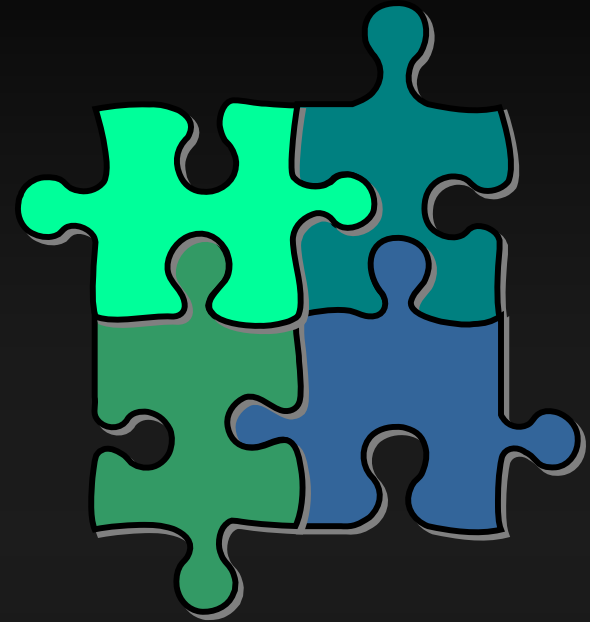
System Approach

- Lifelong Learning
- Safety Renewal
- Multiple courses and training opportunities



System Characteristics

- **Comprehensive**
 - Current and prospective riders
 - Non-riders
- **Multiple entry points**
 - Array of courses and training opportunities
 - Continuous self-assessment
- **New opportunities for RiderCoaches**
 - More involvement in teaching
 - Greater breadth of skill sets
- **Reciprocity among states**
- **Flexibility for jurisdictions**
 - Provides for state and local requirements
 - Provides for statutory and administrative rules



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Instructional Design

➤ ADDIE

- First used by U.S. Air Force in 1965
- Has since moved from a linear to a systemic process
 - Analyze
 - Design
 - Develop
 - Implement
 - Evaluate

➤ DACUM

- Developing A CurriculUM
 - Structured group interview technique
 - Gain consensus from highly screened content experts for curriculum and strategic planning



RETS

Underpinnings

```
graph TD; A[RETS Underpinnings] --> B[Research & Experience]; A --> C[Safety & Risk Management Principles]; A --> D[Adult Learning & Development Principles]; A --> E[Motor Skills Development Principles];
```

**Research
&
Experience**

**Safety
&
Risk
Management
Principles**

**Adult
Learning
&
Development
Principles**

**Motor
Skills
Development
Principles**



Curriculum: Breadth & Depth

➤ Breadth

➤ Multiple learning and development opportunities

➤ Depth

➤ Content, learners & RiderCoach interactions

Primary Requisites

How do people learn?

How best does learning transfer?



Breadth

MSF Rider Education & Training System (RETS)

PRELIMINARY PROGRAMS	HANDS-ON PROGRAMS	CLASSROOM PROGRAMS	OTHER PROGRAMS
<ul style="list-style-type: none"> Web-Based Safety Awareness & Training (P '06) Self Assessment Spokesperson (A) Motorcyclist Awareness: Pre-Permit Product Familiarization (P '06) Introduction to Motorcycling 	<ul style="list-style-type: none"> (A) Basic Course (A) ERC Suite: <ul style="list-style-type: none"> (A) Skills Practice (A) License Waiver (A) Skills Plus (P'06) Skill Enhancement <i>RiderCourse</i> (P'06) On-Road <i>RiderCourse</i> (A) ScooterSchool 1 Dual Sport (A) MILMO Military (A) DirtBike School <ul style="list-style-type: none"> - Youth/Adult - CRE/OTS - DBS:Street Riders 	<ul style="list-style-type: none"> (A & P '06) Motorist Awareness M/C Maintenance <ul style="list-style-type: none"> •Basic •Advanced (A) Group Riding (A) SeasonedRider Touring Driver Education Rider Improvement Violator School Mental Preparation (A) Riding Straight (P '06) Perceptual Training BRC Online Classroom 	<ul style="list-style-type: none"> Special Needs <ul style="list-style-type: none"> •General •By Course Referrals <ul style="list-style-type: none"> •Trailers •Sidecars •Trikes Law Enforcement Training First Responder <ul style="list-style-type: none"> •Pro •Buddy Non-Rider Awareness Do Motorcycling Right Peer Mentoring Competition <ul style="list-style-type: none"> • Adult • Youth • MX • Road Racing • Drag Racing <hr/> <ul style="list-style-type: none"> (A) AAMVA Licensing Assistance •Premier Training Sites

(A) = Available Now
(P) = Priority



Depth

From  To

Traditional Learning

- Rigid
- Somber
- Competitive
- Verbal
- Controlling
- Time-Based

Accelerated Learning

- Flexible
- Joyful
- Collaborative
- Multi-sensory
- Nurturing
- Results-Based



A Sample *RiderCourse* Progression

1

- *Dirt Bike School* for Street Riders
 - *ScooterSchool*
 - BRC Preliminaries
-

2

- *Basic RiderCourse*
 - Extended Split Schedule
 - Regular
 - Formal Remedial Training
 - Additional Practice Module
-

3

- *Experienced RiderCourse Suite*
 - Skills Practice
 - License Waiver
 - Skills Plus...
-

4

- *Skill Enhancement RiderCourse*
- *On-Road RiderCourse*

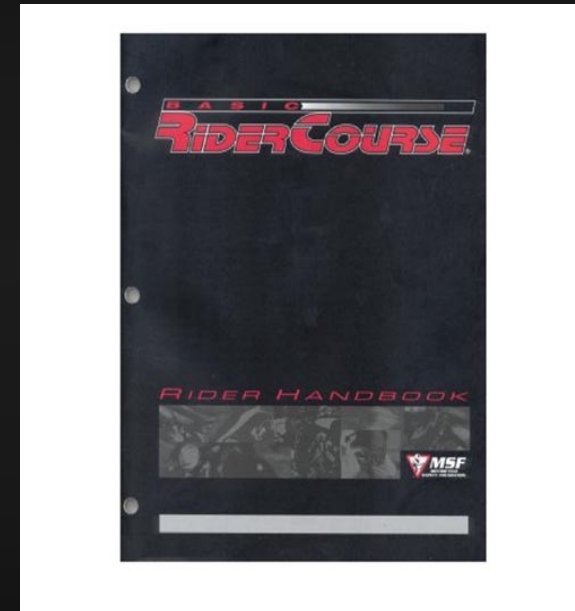
Complemented by
Host An Event Programs
and Web-based Learning



RiderCourse Offerings

Basic *RiderCourse* (BRC)

- Introduced in 2001
- Has five hours of classroom with 11 training aids
- Has 10 hours of riding exercises
- Has additional practice module, split schedule accommodation, and formal remedial training
- Stresses fundamental cognitive, affective and psychomotor skills
- Often leads to skill test license waiver



RiderCourse Offerings

Experienced *RiderCourse* Suite

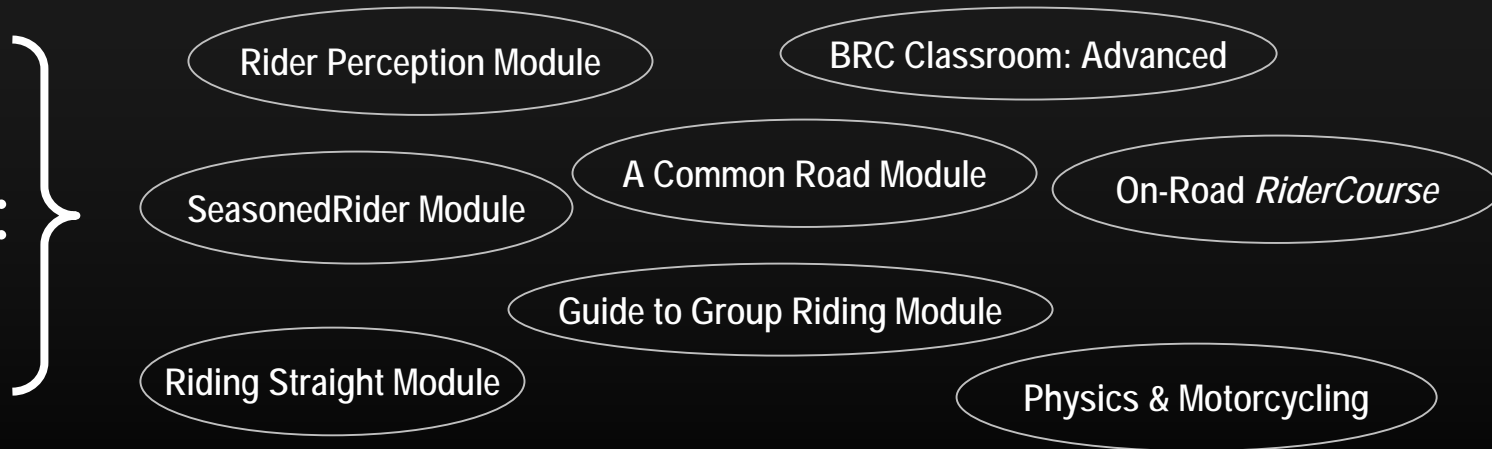
- Released in 2003
- Has three distinct, half-day *RiderCourses*
 1. Skills Practice
 2. License Waiver
 - For permit holders
 - Requires basic skills
 - Frees up BRC seats
 3. Skills Plus
 - Allows use of complementary modules
- Classroom discussions & riding exercises
- Allows use of training motorcycles
- Can be tailored to specific types of riders
- Includes the Riding Straight Module



Experienced *RiderCourse* Suite

<u><i>RiderCourse</i></u>	<u>Classroom</u>	<u>Range</u>	<u>Extensions</u>	<u>Motorcycle</u>	<u>Notes</u>
Skills Practice <i>RiderCourse</i>	20 minutes Exercise Debriefs	4 hours		Training or Own Motorcycle	No Passengers; No Wait
License Waiver <i>RiderCourse</i>	40 minutes Classroom Cards	4-5 hours	Knowledge & Skill Tests	Training or Own Motorcycle; State Waiver	No Passengers; No Wait
Skills Plus <i>RiderCourse</i>	60 minutes Classroom Cards	4-5 hours	Optional Knowledge & Skill Tests	Own Motorcycle	Passenger Option; No Wait

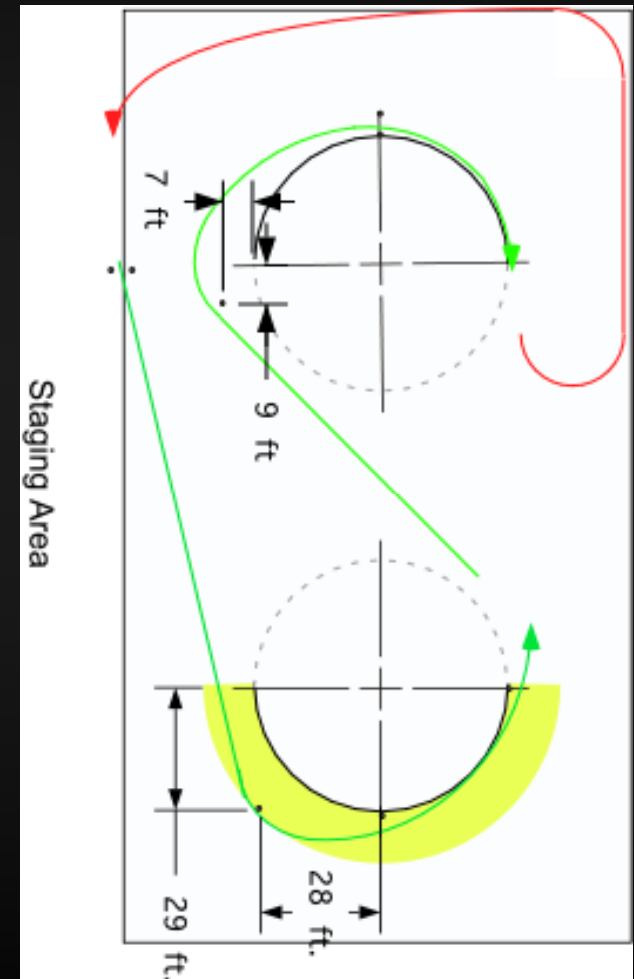
Modules:



Upcoming *RiderCourse*

Skill Enhancement *RiderCourse*

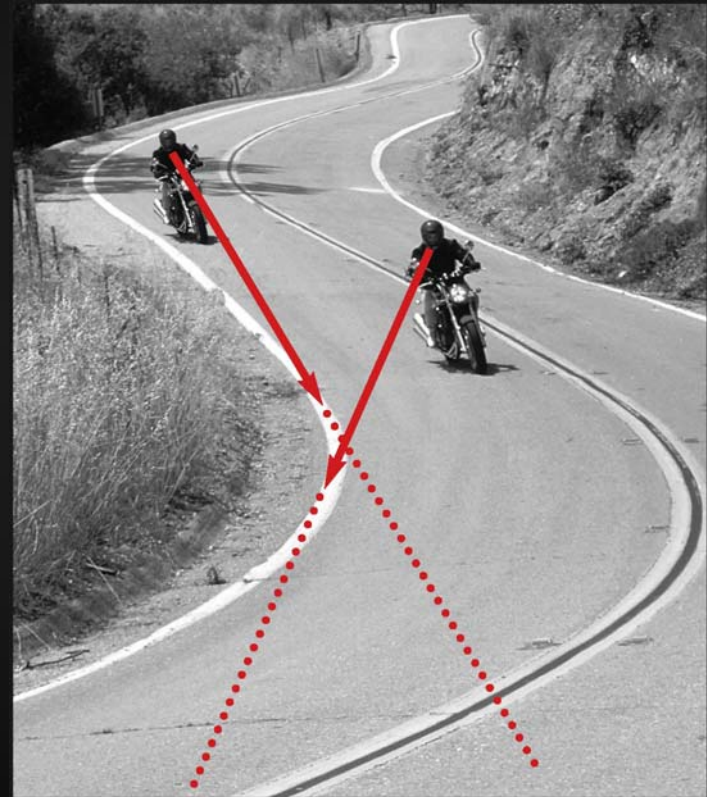
- Scheduled for release in 2007
- Three components
 - Riding exercises
 - Roadside discussions
 - *Physics of Motorcycling*
(Complementary classroom)
- Designed to increase the range of skills, strategies and safety related decisions
- Supports safety renewal and lifelong learning



Upcoming *RiderCourse*

On-Road *RiderCourse*

- **Scheduled for release in 2007**
- **Designed to provide real world experiences for new and experienced riders**
- **Will have 3 levels of instruction and experiences**
 - Riders new to street world
 - Experienced riders who desire additional safety training
 - Group riding
- **Will utilize radio communications**



Host An Event Series

Cars, Motorcycles and A Common Road

- **A motorist awareness program**
- **Help drivers interact with motorcyclists**
- **For use in driver education and public awareness programs** ...
- **Contains a Leader Guide**
- **Includes training aid**
- **To be updated and modularized in 2006**



Host An Event Series

Riding Straight

- Included in Experienced *RiderCourse* Suite Kit
- Leader Guide
- Training Aid
- CD-ROM of Leader Guide
- Fatal Vision® Simulator Goggles



Host An Event Series

Guide to Group Riding

- To foster safe riding practices for motorcyclists who ride in groups
- Rider Handbooks
- Leader Guide
 - 2 Sections
 - Preparation
 - Information
- Training Aid

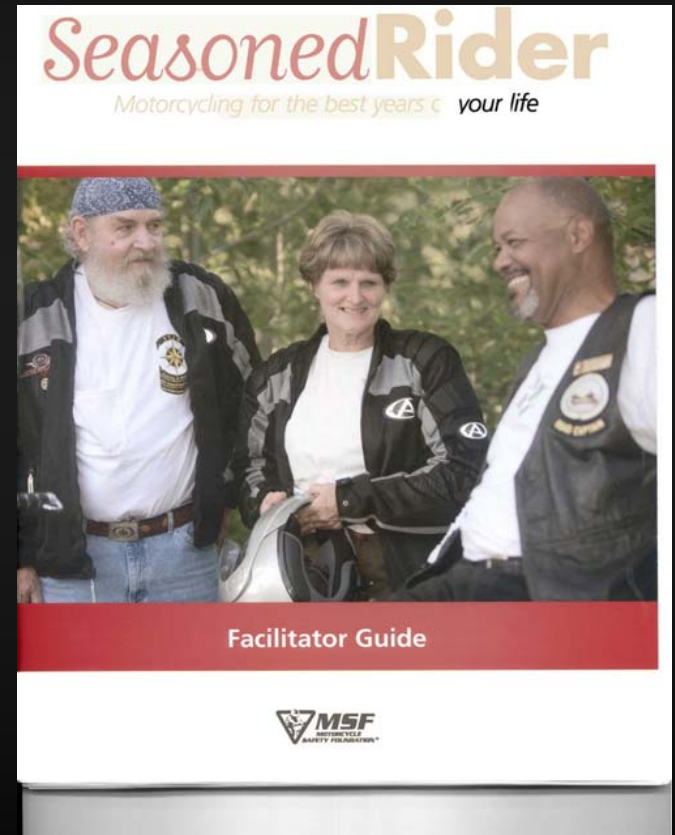


Host An Event Series

Seasoned Rider

Motorcycling for the best years of your life.

- An education program for older-age motorcyclists
- Value to new and re-entry riders
- Provides risk awareness and safety strategies
- Includes a Facilitator Guide with core lesson plan and menu of learning activities
- Includes award-winning training aid
- Includes checks of visual acuity and reaction time



Host An Event Series

Rider Perception Module

- Under development
- Uses tachistoscope technology
- 2 Parts
 - Road Signs
 - Traffic Scenes and Traps
- Website interface





This sign means:

1. Traffic circle.
2. Stop ahead.
3. No right turn.*





This sign means:

1. Pedestrian crossing.
2. School zone.*
3. School crossing.





The most critical factor here is:

1. Yield ahead for you.
2. Busy intersection ahead.
3. Vehicle may enter your lane.*
4. Driveway immediately on right.





A clue to potential trouble here is:

1. Construction warning sign.
2. Skid marks on pavement.*
3. Approaching vehicle.
4. Gravel on the road surface.



RiderCoach Certification

RiderCoach Preparation Course

- **Conducted by an MSF certified RiderCoach Trainer**
- **Successfully complete a pre-course assignment**
- **Pass tests of knowledge, skill and student teaching**
- **Sign MSF RiderCoach Rules of Professional Conduct**

Certification Maintenance

- **Conduct 2 BRCs or equivalent *RiderCourses* within 2 years**
- **Complete one professional development activity within 2 years**
- **Complete one personal learning activity within 2 years**



RiderCoach Trainer Certification

RiderCoach Trainer Preparation Course

- **Successfully complete a pre-course assignment**
- **Pass tests of knowledge, skill and student teaching**

Certification Maintenance

- **Establish a RiderCoach Trainer portfolio**
- **Conduct at least one RiderCoach Preparation Course every 2 years**
- **Maintain portfolio with 60 clock hours of professional development, including reflective statements of value**



Professional Development

➤ National Publications

- *Safe Cycling*

- *Motorcycling Excellence*

- National Learning Centers

- National RiderCoach Trainer Clinics

- RETS Online Resource Guide

- Curriculum List

➤ Best Practices

- Curricular Components

- RiderCoach Training

- State Programs



RETSORG

Rider Education and Training System
On-line Resource Guide

WWW.RETSORG.ORG
Login with MSF I.D. # and Password

Home Calendar News ListServ Member Finder
Library Best Practices Profile Support

HOME - CALENDAR OF EVENTS & BRAKING NEWS

- Current News Items
- Upcoming Events
- Online Store
- Industry Links

LIBRARY (DOWNLOADABLE)

General

- RERP Forms & Materials
- General Forms & Downloads
- Dealer Loan Program

BRC

- BRC Rider Handbook
- BRC Tests

DBS Materials

- DBS Coach Forms
- Dealer Loan Program

ERC Materials

- Overview & FAQ
- Classroom Cards
- Tests & Score sheets

RC/RCT Materials

- RiderCoach Guide
- RiderCoach Prep & Update Forms
- RC Trainer Prep & Recertification Forms

RERP Materials

- Range Diagrams

Search

- RiderCoach Survey Results

Viewing Software (Acrobat)

PROFILE

For Everyone:

- Online RiderCoach Recertification
- Manage Personal Contact Information

+

Additional For Sponsors:

- Manage Sponsor Contact Information
- Assign Sponsor Contacts
- Manage Sponsor Web Site Link & Email address

+

Additional For State Coordinators:

- RiderCoach Search
- RERP Survey
- Sponsor Report

NEWS

- Archived News Items

CALENDAR

- 12-month Calendar
- Event Details

BEST PRACTICES

- Listing of all Best Practices
- Submit Best Practice Online

MEMBER FINDER

- RC, RCT & Sponsor Contacts

SUPPORT

- MSF Staff Contacts
- FAQs

LISTSERVE

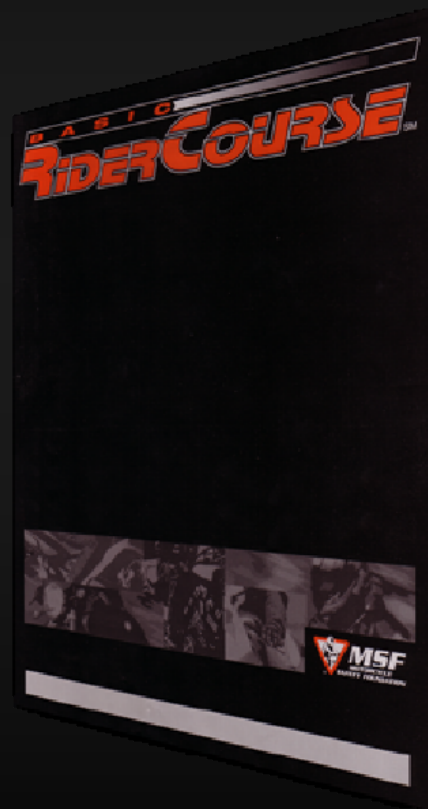
- Link to RiderCoach Discussion List

Quality Assurance and Research



[Click Here to Launch Video](#)





Expert Review of MSF *RiderCourse*SM Curricula

MRC:RSS • Basic *RiderCourse*



METHOD Subject Matter Experts

Safety & Risk Traffic Safety



Aubrey O.
BRADSHAW, Ph.D.

Adult Learning & Learner- centered Instruction



Jeffrey L.
STAFFORD, Ph.D.

Accelerated & Brain-based Learning



Karen L.
MARKOWITZ, M.S.

Motor Skills Development



Craig A.
WRISBERG, Ph.D.

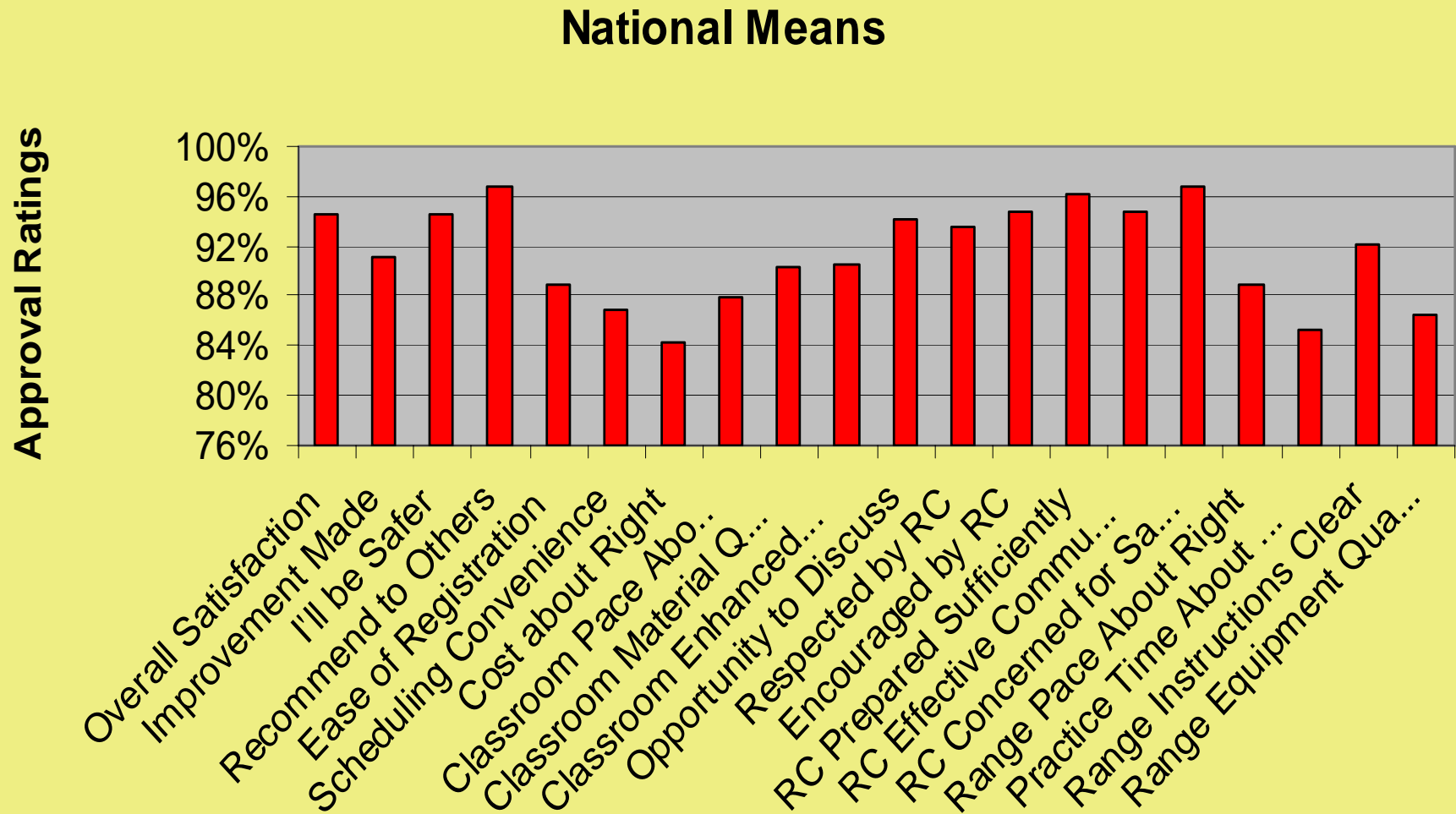


BRC Student Survey 2004

- BRC Student Evaluation Analysis
 - Received nearly 10,000
 - Randomly sampled 2500
 - National and state results were sent to state coordinators along with original surveys

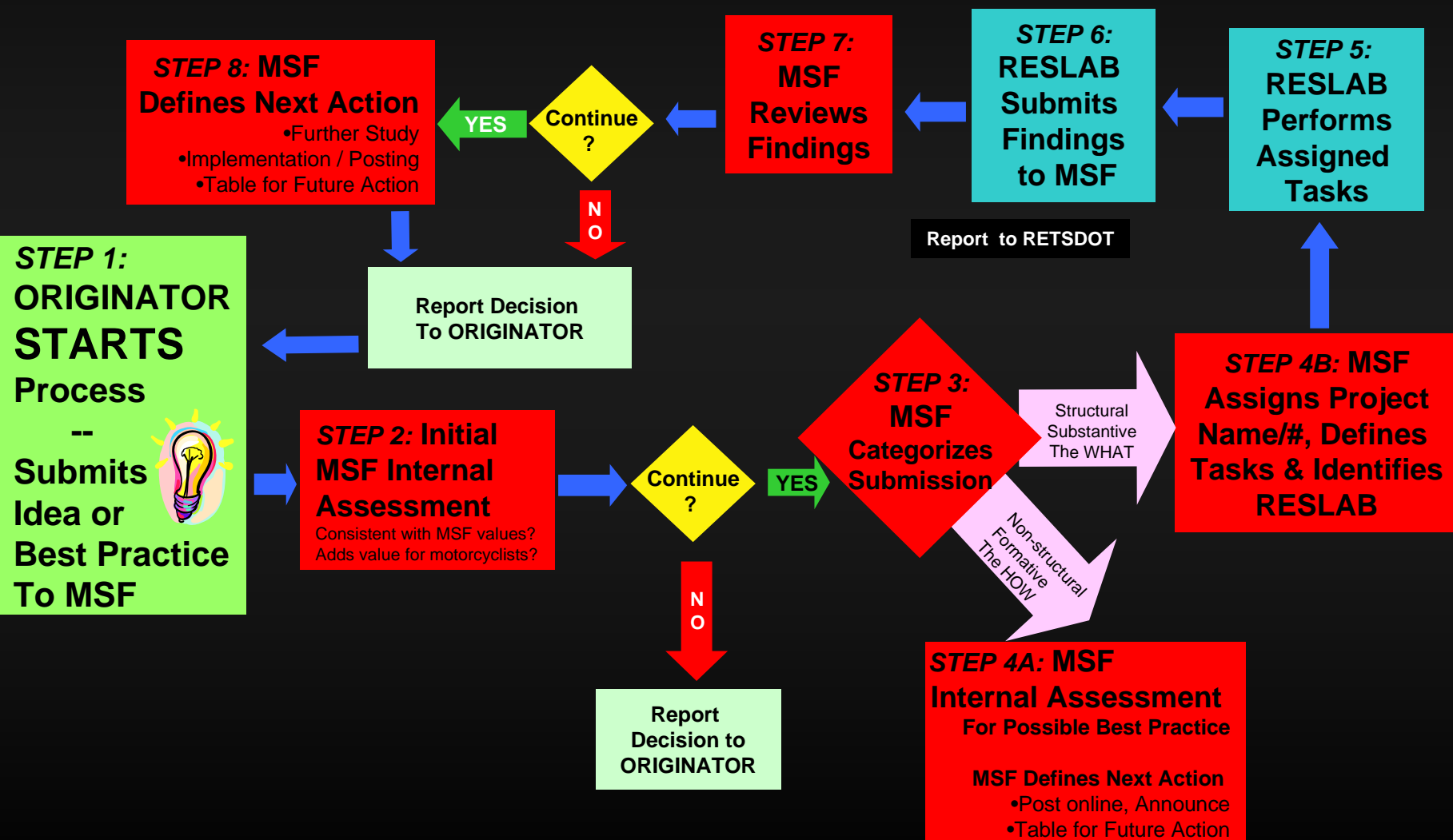


National Mean Ratings (2004)

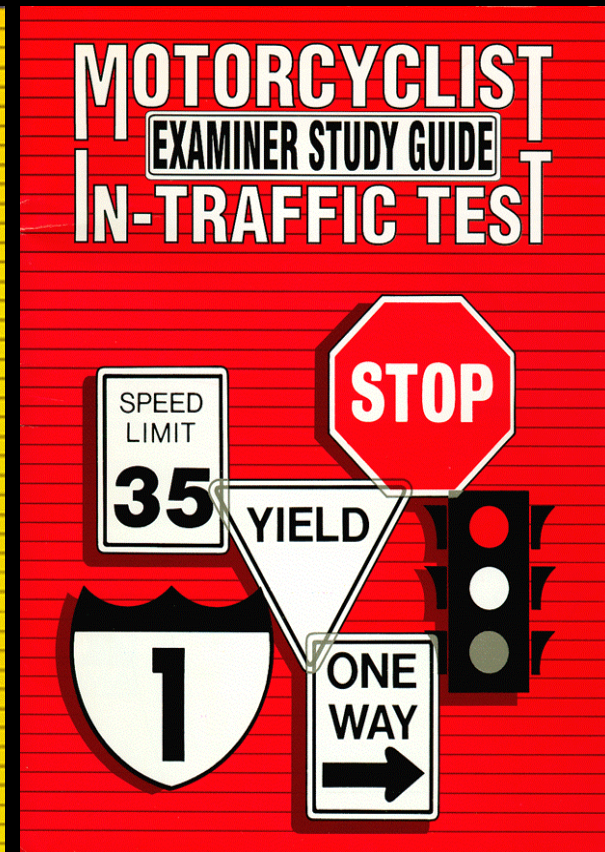
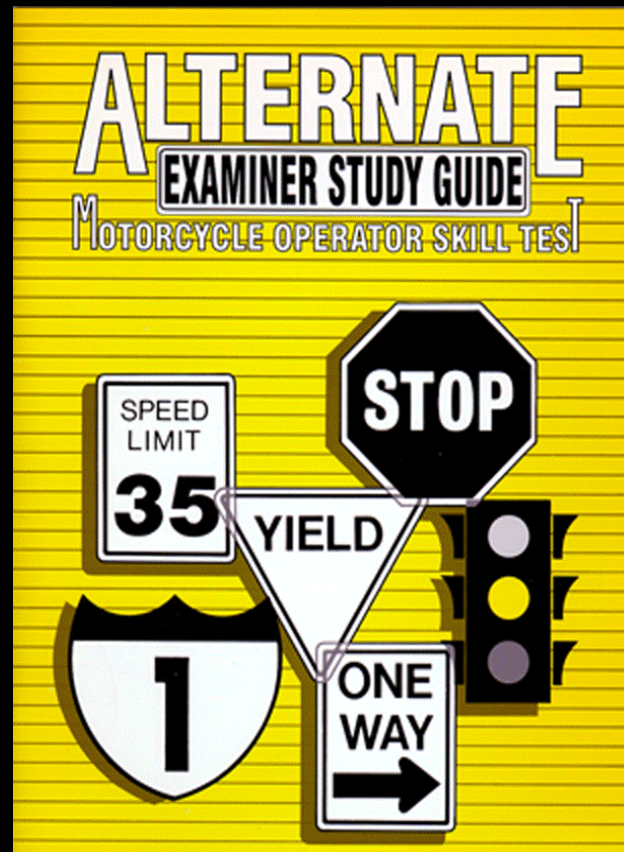
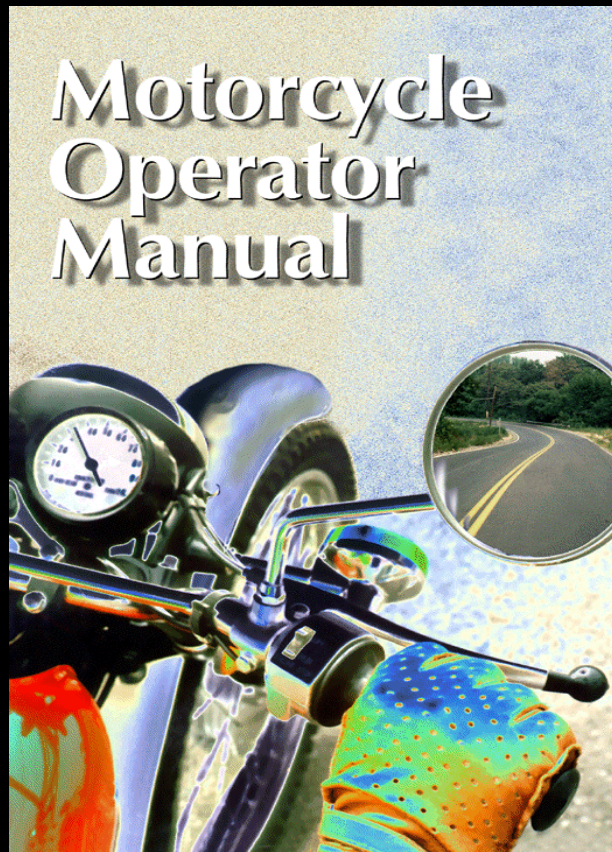


RETS Online Resource Guide (RETSORG)

Best Practice Submission Process



MSF and Licensing





Thank You!

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